

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A hyperbranched polyester containing ethylenically unsaturated groups and obtainable by reacting:

(c) at least one compound having at least one ethylenic double bond with at least one hyperbranched-polyester obtainable by condensing;

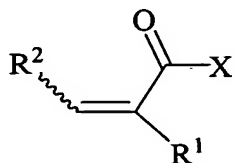
(a) at least one dicarboxylic acid or derivative thereof with at least one at least trifunctional alcohol;

or

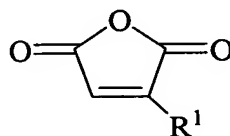
(b) at least one tricarboxylic or higher polycarboxylic acid or derivative thereof with at least one diol.

Claim 2 (Currently Amended): ~~[[A]]~~ The hyperbranched polyester containing unsaturated groups as claimed in claim 1, wherein at least one compound having at least one ethylenic double bond is a compound having a terminal double bond.

Claim 3 (Currently Amended): ~~[[A]]~~ The hyperbranched polyester containing unsaturated groups as claimed in claim 1 ~~or 2~~, wherein at least one compound having at least one ethylenic double bond is a compound of the formula Ia or Ib



Ia



Ib

wherein:

R¹ is selected from the group consisting of C₁-C₁₀ alkyl, unbranched or branched, and hydrogen[[,]];

R² is selected from the group consisting of C₁-C₁₀ alkyl, unbranched or branched, C₂-C₆ alkenyl, COOH, and hydrogen[[,]];

X is selected from halogen and OR³[[,]]; and

R³ is selected from the group consisting of C₁-C₁₀ alkyl, unbranched or branched, C₁-C₁₀-alkyl, unbranched or branched, with at least one functional group, polyethylene glycol derivatives, polypropylene glycol derivatives, glycidyl, H-CO (formyl), unbranched or branched C₁-C₁₀ alkyl-CO, and C₆-C₁₀ aryl-CO.

Claim 4 (Currently Amended): [[A]] The hyperbranched polyester containing unsaturated groups as claimed in claim 1 ~~or~~ 2, wherein at least one compound having at least one ethylenic double bond is selected from the group consisting of:

unsaturated carboxylic acids having 3 to 30 carbon atoms and from 1 to 5 C-C double bonds[[,]];

unsaturated alcohols having 3 to 40 carbon atoms and from 1 to 5 C-C double bonds[[,]];

unsaturated amines having 3 to 20 carbon atoms and from 1 to 5 C-C double bonds[[,]];

diol and polyol ethers in which at least one hydroxyl group is etherified with an unsaturated alcohol and at least one hydroxyl group is unetherified[[,]];

diol and polyol esters in which at least one hydroxyl group is esterified with an unsaturated acid and at least one hydroxyl group is unesterified[[,]];

vinyl esters, diene and triene monoepoxides[[,]];

unsaturated halides having 2 to 20 carbon atoms and from 1 to 5 C-C double bonds,

isocyanato (meth)acrylates[[],]; and
unsaturated halogenated silanes.

Claim 5 (Currently Amended): A process for preparing a hyperbranched polyester containing unsaturated groups as claimed in ~~any one of claims 1 to 4~~ claim 1, which comprises synthesizing at least one hyperbranched polyester by condensing:

a) at least one dicarboxylic acid or derivative thereof with at least one at least trifunctional alcohol;

or

b) at least one tricarboxylic or higher polycarboxylic acid or derivative thereof with at least one diol[[],];

and then reacting the synthesis product with (c) at least one compound having at least one ethylenically unsaturated double bond.

Claim 6 (Currently Amended): A process for preparing a hyperbranched polyester containing an unsaturated group as claimed in ~~any one of claims 1 to 4~~ claim 1, which comprises synthesizing at least one hyperbranched polyester by condensing:

a) at least one dicarboxylic acid or derivative thereof with at least one at least trifunctional alcohol[[],];

or

b) at least one tricarboxylic or higher polycarboxylic acid or derivative thereof with at least one diol[[],];

in the presence of (c) at least one compound having at least one ethylenically unsaturated double bond.

Claim 7 (Currently Amended): ~~The use of a hyperbranched polyester containing unsaturated groups as claimed in any one of claims 1 to 4 as a~~ A binder comprising a hyperbranched polyester containing unsaturated groups as claimed in claim 1.

Claim 8 (Currently Amended): A process for preparing a radiation-curable composition using one or more hyperbranched polyesters containing unsaturated groups as claimed in ~~any one of claims 1 to 4~~ claim 1.

Claim 9 (Currently Amended): A radiation-curable composition comprising one or more hyperbranched polyesters containing unsaturated groups as claimed in ~~any one of claims 1 to 4~~ claim 1.